BENCHMARK ASSESSMENTS

Early Literacy & Mathematics

2019-2020

Interpretive Guide to Early Literacy and Mathematics Reports

Table of Contents

Section 1: Introduction
What's in this Guide?
Family Educational Rights and Privacy Act (FERPA) 3
Invalid and Warning Tests
Report Descriptions
Section 2: Scoring
Raw Scores
Section 3: The Dynamic Score Reporting System6
Features and Functionality
. cata. co and ranctionant, it is it is it is it is

Section 4: Reports
Student Level Data Reports
Individual Student Report
Student Roster
Domain Analysis Report
Aggregate Data Reports
Demographic Report
Change Report
Section 5: Additional Resources
Additional Sources of Assessment Results 20
OEAA Secure Site Data Files 20
General Resources
Section 6: Contact Information



Section 1: Introduction

What's in this Guide?

This guide is intended to help educators understand and use the results from the Spring Early Literacy and Mathematics Benchmark Assessments. Reports available for this assessment include student level and aggregate level data reports.

Student level reports provide individual student level performance data. The Individual Student Report, Student Roster Report and Domain Analysis Report provide data at the individual student level.

Aggregate level reports provide performance data based on groups of students—groups by grade, by school, by district, ISD, and state. The aggregate level reports are the Demographic Report, and Fall to Spring Change Report.

Detailed descriptions of each report can be found in Section 4 of this guide.

Also included in this guide are the following sections:

- **Section 2** provides information on item types and how scores are reported
- Section 3 explains how to access reports
- Section 4 provides detailed descriptions of each report
- Section 5 includes additional resources, both for additional information regarding sources of assessment results as well as general information regarding assessments.
 Users are encouraged to review these additional resources for further information on statewide assessment reporting
- Section 6 provides contact information

Family Educational Rights and Privacy Act (FERPA)

Reports that provide student level data include federally protected student data. It is imperative that report users understand the sensitive and confidential nature of the data presented on Early Literacy and Mathematics Benchmark reports and comply with all Family Educational Rights and Privacy Act (https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) regulations.

Invalid and Warning Tests

Invalid	Warning
Tests may be flagged as invalid for the following reasons:	Test may be flagged as warning for the following reasons:
Prohibited Behavior	Not Tested in Enrolled Grade
Nonstandard accommodation administered	Missing Michigan Student Data System (MSDS) Data
Misadministration	

Note about fall data: The fall Early Literacy and Mathematics Benchmark Assessment occurs before the official collection of MSDS data. This means that the demographic data such as English Leaner (EL), Students with Disabilities (SWD) and Grade level will not display a student's current status if the data has not been entered in MSDS or their status has changed since last year.



Report Descriptions

Report	Description	Aggregation
Individual Student Report (ISR)	Separated by content area, the ISR provides detailed information on individual students in the Content Summary section, which displays Points Earned out of Points Possible for each Domain in a content area. It also provides Content Details which displays Points Earned out of Points Possible for each assessment category within a content area.	• Individual Student
Student Roster	Separated by content area, the student roster provides a list of students by Points Earned out of Points Possible (Max Points) by grade, content, domains and categories.	• Individual Student
Domain Analysis Report	Separated by content area, the domain report provides a list of selected students divided into three groups based on the number of Points Earned in each domain and content area. The selected student list will display results that completed a test in the selected test cycle. Student results for a completed test in another test period (winter and/or fall) will also be displayed.	• Individual Student
Demographic Report	Provides aggregated raw score data, which displays the average points earned and the percentage of students by percentage of points earned for selected demographic subgroups of students by grade and content.	SchoolDistrictState
Change Report	Change Report provides aggregated raw score data which displays number of students assessed, mean percent of points earned and the mean points earned for all selected demographic subgroups of students by grade and content. Change reports are available for the following: • Fall to Winter • Winter to Spring • Fall to Spring	SchoolDistrictState



Section 2: Scoring

Scoring by Item Type

All the processes employed to assess overall student performance begin at the item level. There are two types of items on the Early Literacy and Mathematics Benchmark Assessments: Multiple Choice (MC) items and Technology Enhanced (TE) items.

Technology Enhanced Item Scores

Technology Enhanced (TE) items are computer-delivered test questions which include specialized interactions that allow students to respond to tasks that go beyond what can be covered in traditional Multiple Choice. TE items usually require students to produce information, as opposed to simply selecting a choice from answer options. The scoring for all Early Literacy and Mathematics Benchmark Assessment TE items is automated like Multiple Choice items, eliminating the need for human scorers. TE item types include the following:

Drag and Drop—students can drag pictures or words into boxes or "drop zones" to indicate an answer.

Choice Interaction—similar to a multiple-choice item, but the item can have more than four options, and any number of the options can be correct or incorrect.

Hotspot (Count or Selection)—graphics are selectable; for Count, students can choose a particular number of hotspots to show their answer; for Selection, students select a specific hotspot to choose their answer.

Matching Interaction—an interaction grid that allows the students to select areas of matching between an option in the row with an option in the column.

Hot Text Highlight (List and Paragraph)—text is selectable, and once selected, will highlight for the students; for Line, the students can select one or more lines of text to answer the question; Hot text paragraph involves answers embedded within a paragraph(s).

Students select word(s), phrase(s), sentence(s), and/or paragraph(s) according to the instructions in the stem or question.

Order—a list of items or sentences that can be arranged by the students in the correct order.

How Scores are Reported

Raw Scores

In the fall, the pre-test measures student knowledge of what they will be learning during the whole year. In the spring, data demonstrates what students learned through the school year, based on Michigan Academic Standards, in English language arts (ELA) and mathematics.

In spring, the report will show raw score (Points Earned out of Points Possible) for all students taking the assessment in the spring. If the student also took the assessment in the fall, then reports will display raw scores (Points Earned out of Points Possible) and the Fall to Spring Change columns will be populated.

On the **Individual Student Report**, The Fall to Spring Change column will display one of the following symbols:



a dark orange downward facing triangle indicating the student has a decrease in points earned from fall to spring



a light orange circle indicating no change in points earned from fall to spring



a blue upward facing triangle indicating the student has an increase in points earned



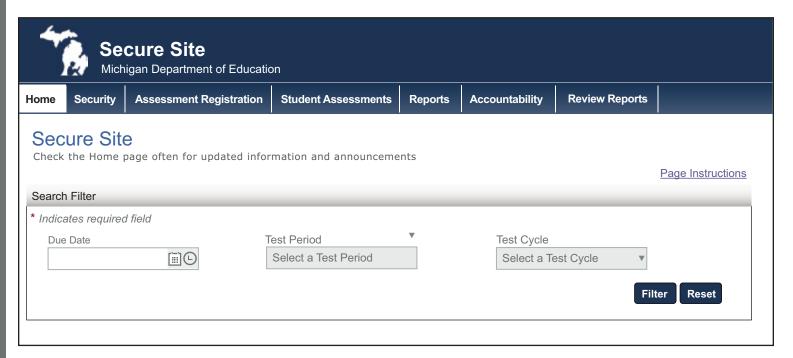
a green circle with dot in the center indicating a student has earned all points possible in both fall and spring



Section 3: The Dynamic Score Reporting System

Early Literacy and Mathematics reports are available to school and district users through the Dynamic Score Reports site which is accessible through the Secure Site. Detailed directions for accessing the Early Literacy and Mathematics reports are documented in the How to Access and Navigate Michigan's Dynamic Score Reporting Site document, which is located on the Early Literacy and Mathematics Benchmark Assessments web page (www.michigan.gov/earlylitandmath).

The Secure Site



Early Literacy and Mathematics reports are available through the OEAA Secure Site (www.michigan.gov/oeaa-secure). Secure Site access is only available to district and school employees with authorized user roles and permissions granted by their district. You must have a MEIS login in order to access the Secure Site. For instructions on how to obtain a MEIS login, go to the Secure Site Training web page (www.michigan.gov/securesitetraining) and click "How do I get access to the Secure Site?"



Features and Functionality

Michigan's Dynamic Score Reporting Site provides data for a variety of reports. Regardless of the selected report, users will encounter the following components:

1. **Welcome Page:** Provides detailed directions for accessing the reports based on user role.

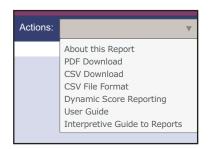
Welcome to Michigan's Dynamic Score Reporting Site!

To access your reports:

- a) Select a report from the Report dropdown menu above.
 (Note: The page will refresh with available filters in the left margin.)
- b) District users may need to select the desired school to display the report.
- c) Select from the filters on the left margin.
- d) Select the blue Generate Reports button to generate and open the requested report. (Note: your filter selections will remain in place until you select different filter options.)
- 2. **Go to Student Quick Link:** Allows user to jump to a student selected in the Filter Pane.



3. **The Actions button menu:** These options vary depending on the report.

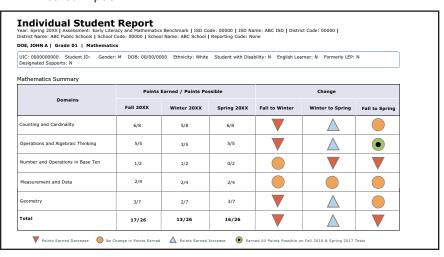


Options in this menu include:

- About This Report About This Report (ATR) is accessed from the actions menu. This action opens a popup window that displays the information provided by MDE for this report.
- PDF Download To view a PDF of the report, select "PDF Download". This will open a PDF document of the reports, according to your selections in the filter area. You can print individual or small groups of reports from this option.
- CSV Download Users will have the ability to download the data for the reports that have been generated in a CSV format.
 The formats of these files can be found by selecting the CSV File Format from the Action menu. Any filters applied by the user will also be applied to data in the CSV file.
- CSV File Format The CSV File Format (comma-separated values) provides the format the CSV File Download will contain.
 It will show the excel column, field name, description, field type, and format.
- Dynamic Score Reporting User Guide- This document is a guide for navigating Michigan's Dynamic Score Reporting Site.
 The Dynamic Score Reporting Site will provide Michigan score reports for the M-STEP, MI-Access, and Early Literacy and Mathematics Benchmark test administrations.
- Interpretive Guide to Reports This link goes the latest version of the Early Literacy and Mathematics Interpretive Guide to Reports. This guide provides detailed information about all of the available reports.



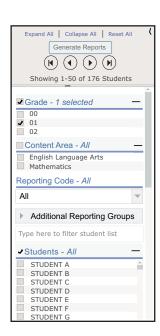
4. **Filtering:** The selected report body contains results of the filtered input.



Filter Pane: This section allows the user to filter by grade, content area, reporting code, and individual students. This pane also allows the user to generate reports. The Student filter has a predictive search feature. Users type student name(s) into the search bar to filter. The options available in the Filter Pane vary depending on the report. Filter options may include:

- Student Population
- Grade
- Content
- Reporting Code
- Additional Reporting Groups Area:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
- English Learner
- Former English Learner
- Foster Care
- Homeless

- Migrant
- Military Connected
- Students with Disabilities
- Tested in Enrolled Grade
- Designated Supports
- Homeschooled
- Students







Section 4: Reports

Student Level Data Reports

Individual Student Report

The Individual Student Report (ISR) provides information about student performance by content area. Each student will have a separate ISR for each content assessed. The report is divided into three main sections:

- Student demographic information
- Content Summary the Content Summary section displays Points Earned out of Points Possible for each domain in a content area
- Content Details the Content Details section displays Points Earned out of Points Possible for each assessment category within a content area

OE, JOHN A Grade 01 Mathemati UIC: 0000000000 Student ID: Gende		000 Spaisity: White	Student with Dica	hility: N English Loa	rner: N Formerly LEP:	N
Designated Supports: N	1. PI DOB: 00/10/0	Thinicity: White	Stadent With DISA	unity. N English Lea	mer. N Formerly LEP:	IN
Mathematics Summary						
Domains	Points	Earned / Points Po	ssible		Change	
Domains	Fall 20XX	Winter 20XX	Spring 20XX	Fall to Winter	Winter to Spring	Fall to Spring
Counting and Cardinality	6/8	5/8	6/8	_	\triangle	
Operations and Algebraic Thinking	5/5	2 3/5	5/5	_	\triangle	•
Number and Operations in Base Ten	1/2	1/2	0/2		_	
Measurement and Data	2/4	2/4	2/4			
Geometry	3/7	2/7	3/7			
Total	17/26	13/26	16/26			

A	Builet December 1 and 1 and 1 and 1 and 1	Points Earned / Points Possible						
Assessment Categories	Brief Descriptions of Academic Standards	Fall 20XX	Winter 20XY	Spring 20X				
Operations and Algebraic Thinking		5/13	4/13	9/13				
Represent and solve problems involving addition and subtraction	Add/subtract within 20 to solve word problems; solve for addition of 3 whole numbers.	1/3	1/3	3/3				
Understand and apply properties of operations and the relationship between addition and subtraction	Apply properties of operations to add/subtract; subtraction as an unknown-addend problem.	2/2	1/2	2/2				
Add and subtract within 20	Relate to counting to addition/subtraction; add/subtract within 20 demonstrating fluency.	1/4	1/4	3/4				
Work with addition and subtraction equations	Meaning of =; find the unknown whole number in addition/subtraction equation.	1/4	1/4	1/4				
Number and Operations in Base Ten		5/9	5/9	5/9				
Extend the counting sequence	Count to 120, starting at any number less than 120.	1/2	1/2	1/2				
Understand place value	Understand that 2 digits represents 10s/1s; compare 2 2-digit numbers using >, -, and <.	1/3	1/3	0/3				
Use place value understanding and properties of operations to add and subtract	Add within 100; mentally find 10 more or less than a 2-digit number; subtract multiples of 10.	3/4	3/4	4/4				
Measurement and Data		4/7	3/7	6/7				
Measure lengths indirectly and by iterating length units	Order 3 objects by length; express length of an object as a whole number of length	2/3	2/3	3/3				
Tell and write time	Tell and write time in hours and half-hours using analog/digital clock.	2/2	1/2	1/2				
Represent and interpret data	Organize, represent, and interpret data with up to three categories.	0/2	0/2	0/2				

Mathematics Details



Student Demographic Information

This section provides identifying information about the student including name, grade, Unique Identification Code (UIC), and, if provided by the school, the district student ID, gender, date of birth, and race/ethnicity. The report will indicate if the student has been marked as a Student with Disability, English Learner, and Former English Learner in the Michigan Student Data System (MSDS). Additionally, the report will indicate if the student has been assigned designated supports.

Note about fall data: The fall Early Literacy and Mathematics Benchmark Assessment occurs before the official collection of MSDS data.

Content Summary

In spring, the report will show Spring Points Earned out of Points Possible for all students taking the assessment in the spring. If the student also took the assessment in the fall and/or winter, then the Fall and/or Winter Points Earned/Points Possible and the corresponding Change will be populated. If the student did not take the assessment in the fall or winter these columns will be blank. The Fall to Winter, Winter to Spring, and Fall to Spring Change will display one of the following symbols:

- a dark orange downward facing triangle indicating the student has a decrease in points earned from fall to spring
- a light orange circle indicating no change in points earned from fall to spring
- a blue upward facing triangle indicating the student has an increase in points earned
- a green circle indicating a student has earned all points possible in both fall and spring

Content Details

Raw scores—that is points earned out of total points possible—are reported for each category in the spring assessment. In the spring

report, if a student has results from both fall and spring, results from both tests will be displayed.

Please note: Some categories are assessed using fewer than five items. Use caution when interpreting results based on a few items on the test. These results should be used within a comprehensive assessment system which includes formative assessment data.

Report Features

Filters

The list of students displayed for the Individual Student Report can be customized using the following filters:

- Grade
- Content Area The content filter defaults to all
- Reporting Code If the school has chosen to assign reporting codes to students, then students may be filtered on the available reporting codes
- Additional Reporting Groups Additional Reporting Groups default to all. The Additional Reporting Groups filters dynamically update based on other filters selected. The available filters displayed in the Additional Reporting Groups may include:
 - Gender
 - Ethnicity
 - Economically Disadvantaged
 - English Learner
 - Former English Learner
 - Foster Care
 - Homeless
 - Migrant
 - Military Connected
 - Students with Disabilities
 - Tested in Enrolled Grade
 - Designated Supports
 - Homeschooled
- Students



Actions Menu

The "Actions" button appears after the report is generated, and contains the following options for the Individual Student Report:

- About This Report
- PDF Download
- Dynamic Score Reporting User Guide
- Interpretive Guide to Reports

About the Data

- Raw scores (Points Earned/Points Possible) are reported for each domain, each assessment category and for the content area total in ELA and math.
- Individual Student Reports marked "Warning" will display student scores and will provide the reason it is considered invalid. Since this test is not used for accountability, any invalid student scores will be displayed with a note providing the reason it is considered invalid.

Data Definitions

- Assessment Categories: a grouping of related standards
- **Brief Description of Academic Standards:** provides an abbreviated description of the content standards
- **Designated Support:** an assessment support made available to a student based on individual student need (Text-to-Speech for grade 2 is currently the only embedded designated support available)
- **Domains:** used to organize assessment categories
- **Raw Score:** Points earned/total points possible. Raw scores are not comparable across different forms of the test.
- **Tested in Enrolled Grade:** student is tested in the grade level that is reported in MSDS



Student Roster

The Early Literacy and Mathematics Benchmark Assessment Student Roster allows users to view student Points Earned out of Points Possible (Max Points) by grade, content, domains and categories.

Report Layout

The report is divided into two main sections:



An alphabetical listing of the selected students



Points Earned by domain and assessment category in a table format

Selected Students

The total of students (total) selected is displayed. Students are displayed in ascending alphabetical order by last name, then first name

based on the selected filters. The sort sequence may be changed to sort in descending alphabetical order. The following data is displayed in the hover icon lacktriangle:

- 1. Date of Birth (DOB)
- 2. Unique Identification Code (UIC)
- 3. The hover icon will display as, R indicating there was an issue that flagged this student's test as warning or invalid. Review these scores carefully. The hover will display the reason such as Prohibited Behavior, Misadministration, Missing MSDS Data, and Not Tested in Enrolled Grade. The scores for the student will still be displayed.

Overall Content Performance (Table Format)

For each displayed student, Points Earned by assessment category, domain subtotal and overall content total are displayed. Points Earned by domain subtotal and overall content total are sortable. The table below shows the domains for each content.

Year: 20XX| Assessment: Early Literacy and Mathematics Benchmark | Spring 20XX | ISD Code: 00000 | ISD Name: ABC ISD | District Code: 00000 | District Name: ABC Public Schools | School Code: 00000 | School Name: ABC School | Reporting Code: All

Early Literacy and Mathematics Benchmark Spring 20XX

Student Roster | ABC School | Grade 01 English Language Arts

	Rea	ading Litera	ary Text		Reading Informational Text				Reading Foundational Skills				Writing			Language			
Students ▼ (Total = 21)	Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Subtotal	Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Subtotal	Print Concepts	Phonological Awareness	Phonics and Word Recognition	Subtotal	Text Types and Purposes	Production and Distribution of Writing	Subtotal	Conventions of Standard English	Vocabulary Acquisition and Use	Subtotal	Total
Max Points	4	1	1	6	3	1	2	6	2	3	4	9	4	2	6	8	1	9	36
DOE, JANE A	4	1	1	6	2	1	1	4	1	1	4	6	1	1	2	6	1	7	25
DOE, JOHN A	2	1	1	4	2	1	2	5	2	2	4	8	4	0	4	7	1	8	29
DOE JANER A	1	1	1	6	3	1	2	6	2	3	1	۵	Λ	2	6	Ω	1	٥	36



Report Features Sorting

The default for this report displays students in ascending alphabetical order by last name, then first name. The sort sequence may be changed to sort in descending alphabetical order. Domain subtotals and overall content total are also sortable in either ascending or descending of the raw score.

Drill Down

The drill-down feature enables the user to select the student name on the Student Roster Report to open an Individual Student Report. After a user has selected a student name to drill down in the Individual Student Report and the Individual Student Report displays, a breadcrumb area appears below the ISD/District/School entity information that displays "Student Roster Report - Individual Student Report". Each report name in the breadcrumb is an active link. To return to the Student Roster Report, the user selects "Student Roster Report".

Filters

The list of students displayed on the Student Roster Report can be customized using the following filters:

- Grade Only one grade can be selected at a time
- Content Area The content filter defaults to all
- Reporting Code If the school has chosen to assign reporting codes to students, then students may be filtered on the available reporting codes
- Additional Reporting Groups Additional Reporting Groups default to all. The available filters in the Additional Reporting Groups include:
 - Gender

- Homeless

Ethnicity

- Migrant
- Economically Disadvantaged
- Military Connected

- English Learner

- Students with Disabilities

- Former English Learner

- Tested in Enrolled Grade

- Foster Care

- Designated Supports

Students

Action Menu

The "Actions" button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV Download
- CSV File Format
- Dynamic Score Reporting User Guide
- Interpretive Guide to Reports

About the Data

- Raw scores (Points Earned/Points Possible) are reported for each domain and assessed content category in ELA and math.
- The Student Roster report excludes homeschooled students.
- All "Review ®" student scores will be displayed on the Student Roster. Since this test is not used for accountability, any invalid student scores will be displayed with a note providing the reason it is considered invalid in the hover icon.

Data Definitions

- **Assessment Categories:** a grouping of related standards
- Brief Description of Academic Standards: provides an abbreviated description of the content standards
- **Designated Support:** an assessment support made available to a student based on individual student need (Text-to-Speech for grade 2 is currently the only embedded designated support available)
- **Domains:** used to organize assessment categories
- Raw Score: Points earned/total points possible. Raw scores are not comparable across different forms of the test.
- Tested in Enrolled Grade: student is tested in the grade level that is reported in MSDS



Domain Analysis Report

The Early Literacy and Mathematics Benchmark Assessment Domain Analysis Report allows users to view a list of selected students which displays the number of Points Earned in each domain and overall Points Earned in a Content Area. The list will display results for students who tested in the spring. If students tested in the fall and/or winter, it will also display the point earned for those test cycles.

The heading shows the Domain name or Content Area total and the maximum Points Possible for that Domain or Content Area Total. A legend shows the range of Points Earned for the three buckets. Users can select data by overall content area (English Language Arts or Mathematics) and/or by selected content domains.

Domain Performance Table Format

A key shows the number of points students must earn to be placed in each bucket. The next row of the Domain Performance table displays the domain or content area total and the number of points possible for the domain or content area total. The selected list of students will display the points earned for the domain or content area in spring. It will also display the points earned for the domain or content area total for students who tested in winter and/or fall as well. If a student did not test in the fall or winter the table will display NA.

Report Layout

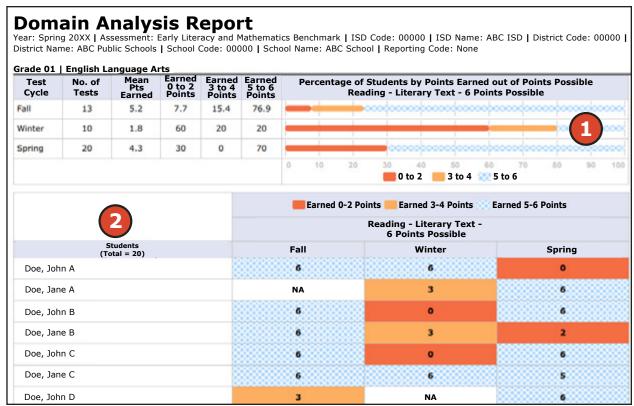
The report is divided into two main sections:

Points Earned Summary

2 Domain Performance Table

Points Earned Summary

The points earned summary has a table showing number of completed tests, mean points earned and percentage of students in each of the three points earned buckets for the fall, winter and spring test cycles. A key shows the number of points students must earn to be placed in each bucket. A graph displays the percentage of students in each of the three buckets based on Points Earned out of Points Possible for the domain or content area total.





Hovering over the information icon displays the following information:

- 1. Date of Birth (DOB)
- 2. Unique Identification Code (UIC)

The hover icon will display as, indicating there was an issue that flagged this student's test as warning or invalid. Review these scores carefully. The hover will display the reason such as Prohibited Behavior, Misadministration, Nonstandard Accommodation, Missing MSDS Data and Not Tested in Enrolled Grade. The scores for the student will still be displayed.

Drill Down

Hovering over any student name in a Performance Table displays the text "Drill Down to Individual Student" indicating clicking on the name will transfer the user to the student's Individual Student Report.

After a user has selected a student name to drill down into the Individual Student Report and the Individual Student Report displays, a breadcrumb area appears below the ISD/District/School entity information that displays "Domain Analysis Report – School". Each report name in the breadcrumb is an active link. To return to the Domain Analysis Report, the user selects "Domain Analysis Report – School".

Action Menu

The "Actions" button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV Download
- CSV File Format
- Dynamic Score Reporting User Guide
- Interpretive Guide to Reports

About the Data

- The Domain Analysis report displays a student list divided into three groups based on Points Earned out of Points Possible for a domain or content area for the selected students.
- The Domain Analysis report excludes homeschooled students.
- The Domain Analysis report does not display students whose tests are marked Prohibited Behavior or Misadministration.

Data Definitions

- **Domains:** used to organize assessment categories
- **Raw Score:** Points earned/total points possible. Raw scores are not comparable across different forms of the test.
- **Tested in Enrolled Grade:** student is tested in the grade level that is reported in MSDS
- **Brief Description of Academic Standards:** provides an abbreviated description of the content standards
- **Tested in Enrolled Grade:** student is tested in the grade level that is reported in MSDS
- **Designated Support:** an assessment support made available to a student based on individual student need (Text-to-Speech for grade 2 is currently the only embedded designated support available)



Aggregate Data Reports

Demographic Report

The Demographic Report provides a comparison of students by grade and content, aggregated across selected demographic groups, showing the average points earned and the percentage of students by percentage of points earned. The Demographic Report is available at the School, District, and State levels.

The population of students to be displayed may be selected by the user. Users may select from the following student populations:

All Students—this is the default

All Except Students with Disabilities—students who are not marked

Special Education in the MSDS at the time of testing

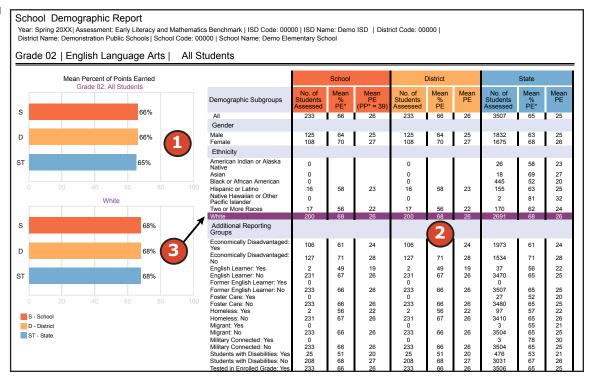
Students with Disabilities—students who are marked Special Education in MSDS at the time of testing

After the user selects a grade to view, all tested content for that grade is displayed sequentially in alphabetical order. The report is divided into several main sections:

- Graphical display of the Percentage of Students by Percentage of Points Earned for all students in the requested Student Population compared to a selected subgroup
- Performance data for each demographic subgroup in table format
- If a demographic subgroup is selected, then a graphical display of the performance level percentages for that subgroup is displayed under the overall graph for easy comparison

Graphical Display

- **All students** in the selected student population, grade, and content area are displayed in a bar graph based on the percentage of points earned. The legend beneath the graph provides percentage of points earned ranges.
- **Demographic subgroup** The user may select a demographic subgroup in the demographic table to compare against the overall student population. The selected demographic subgroup will be highlighted and a double bar graph of the performance level percentages will display next to the overall student population.





Performance Data Table

Performance data, including the number of students assessed, average points earned, and percentages of students in ranges—based on percentage of points earned—are displayed for demographic subgroups in a table.

The demographic subgroups reported are:

- Gender
 - Male
 - Female
- Ethnicity
 - American Indian or Alaska Native
 - Asian
 - Black or African American
 - Hispanic or Latino
 - Native Hawaiian or Other Pacific Islander
 - Two or More Races
 - White
- Additional Reporting Groups
 - Economically

Disadvantaged: Yes

- Economically

Disadvantaged: No

- English Learner: Yes
- English Learner: No
- Former English Learner: Yes
- Former English Learner: No

Foster Care: Yes

- Foster Care: No

Homeless: YesHomeless: No

- Migrant: Yes

- Migrant: No

- Military Connected: Yes

- Military Connected: No

Students with
 Disabilities: Yes

- Students with Disabilities: No

- Tested in Enrolled Grade: Yes

- Tested in Enrolled Grade: No

- Designated Support: Yes

Designated Support: No

Report Features

Drill Down

The drill-down feature that enables the user to select the link in the Number of Students Assessed column to open a Student Roster Report which includes the students represented in the aggregated group. When the Number of Students Assessed is zero, the "<" sign is not an active link. **Note:** In some instances, the number of students displayed may differ between the School Demographic Report and the generated Student Roster Report. This is because the Demographic Report does not include invalid tests, while the Student Roster Report does include invalid tests.

After a user has selected the link to drill down into the represented aggregate group, a breadcrumb area appears below the ISD/District/School entity information, that displays "Demographic Report – School > Student Roster". Each report name in the breadcrumb is an active link. To return to the School Demographic Report, the user selects "Demographic Report – School".

The drill-down feature is not available on the State or District level Demographic Reports.

Action Menu

The "Actions" button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV Download
- CSV File Format
- Dynamic Score Reporting User Guide
- Interpretive Guide to Reports



Change Report

- Fall to Spring
- Winter to Spring

The Early Literacy and Mathematics Benchmark Assessment Change Report (next page) provides aggregated raw score data, which displays pre-test (fall or winter) assessment average points earned and spring assessment average points earned. It also displays the percentage of students who had a Decrease, No Change, Increase, and No Change -Earned All Points from fall/winter to spring for demographic subgroups of students by grade and content. The Change Report is available at the School, District, and State levels.

School Fall to Spring Change Report Year: Spring 20XX| Assessment: Early Literacy and Mathematics Benchmark | ISD Code: 00000 | ISD Name: Demo ISD | District Code: 00000 | District Name: Demonstration Public Schools | School Code: 00000 | School Name: Demo Elementary School Grade 01 | English Language Arts | All Students Percentage of Students Fall to Spring Mean Percent of Points Farned No. of Fall Fall Spring Spring Students Mean PE* Mean % Mean PE Mean N Assessed (Max=36) PE (Max=36) PE Demographic Subgroups

19.8 55.1 25.6 71.2 Gender Male Female Ethnicity American Indian or Alaska Native 70 61.1 24.1 51 55.6 56.3 Asian 22 8.7 18.4 30 83.3 100 21.3 24.3 Black or African American 59.3 67.4 100 88 Hispanic or Latino Native Hawaiian or Other Pacific Islande 56 20 27 25.5 75 70.8 100 55 Two or More Races 50 Additional Reporting Groups Economically Disadvantaged: Yes 40 21.2 58.9 English Learner: Yes 3 257 19.3 53.7 67.6 100 English Learner: No 25.6 71.2 30 0 260 2 258 Former English Learner: Yes 55.1 52.8 19.8 71.2 Foster Care: Yes 23 25.6 63.9 100 20 Foster Care: No 19.8 15 19.9 55.1 41.7 71.2 65.3 86 100 2 258 0 260 0 23.5 Homeless: Yes Homeless: No 55.2 25.6 71.2 10 Migrant: Yes Migrant: No 19.8 55.1 25.6 71.2 Military Connected: Yes Military Connected: No 260 19.8 55.1 25.6 71.2 87 55.1 42.4 57.1 55.1 35 225 260 21.5 26.3 25.6 Students with Disabilities: Yes 15.3 Fall Spring 59.8 73 71.2 Students with Disabilities: No. Tested in Enrolled Grade: Yes All Students Tested in Enrolled Grade: No. White Students * PF means Points Farned Percentage of Students with a decrease in Points Earned Percentage of Students with no change in Points Earned Percentage of Students with an increase in Points Earned

The **Student Population** to be displayed may be selected by the user. Users may select from the following student populations:

All Students – this is the default

All Except Students with Disabilities – students who are not identified as Special Education in the Michigan Student Data System (MSDS) at the time of testing

Students with Disabilities - students who are identified as Special Education in MSDS at the time of testing

The **Grade** of students to be displayed must be selected by the user. The grade defaults to the lowest grade. Only one grade may be selected at a time.

> The **Content Area** defaults to all. The user can change the content area to either English Language Arts or Mathematics.

Report Layout

The report is divided into two main sections:

- A graph of the selected student population, grade, and content area displays the mean percentage of points earned in fall/ winter and spring. The user may select a demographic subgroup in the Change table to compare against the selected student population, grade and content area.
- A table that displays the percentage of students who had a Decrease, No Change, Increase, and No Change – Earned All Points from fall/winter to spring.



Graphical Display

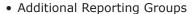
- All students The selected student population, grade, and content area are displayed in a bar graph based on the change in points earned from fall/winter to spring. The legend beneath the graph indicates a Decrease, No Change, Increase, and No Change – Earned All Points of the Points Possible, from fall/winter and spring tests.
- **Demographic Subgroup** The user may select a demographic subgroup in the Change table to compare against the overall student population. The selected demographic subgroup will be highlighted, and a double bar graph displaying the percentages of students with a Decrease, No Change, Increase, and No Change Earned All Points displays next to the overall student population.

Data Table

Performance data table, including the number of students assessed, fall average points earned, spring average points earned, and percentages of students with a Decrease, No Change, Increase, and No Change – Earned All Points from fall and spring are displayed for demographic subgroups in a table.

The demographic subgroups reported are:

- Gender
 - Male
 - Female
- Ethnicity
 - American Indian or Alaska Native
 - Asian
 - Black or African American
 - Hispanic or Latino
 - Native Hawaiian or Other Pacific Islander
- Two or More Races
- White



Economically Disadvantaged: YesEconomically Disadvantaged: No

English Learner: YesEnglish Learner: No

Former English Learner: YesFormer English Learner: No

Foster Care: YesFoster Care: NoHomeless: YesHomeless: NoMigrant: YesMigrant: No

Military Connected: YesMilitary Connected: No

Students with Disabilities: Yes
Students with Disabilities: No
Tested in Enrolled Grade: Yes
Tested in Enrolled Grade: No
Designated Support: Yes
Designated Support: No



Section 5: Additional Resources

Additional Sources of Assessment Results

OEAA Secure Site Data Files

Data files are available for download by authorized school and district users under the Student Test Scores tab of the <u>OEAA Secure Site</u> (www.michigan.gov/oeaa-secure).

Student Data File

The Student Data File contains detailed individual student data in an excel file. This data includes school information, student demographic data, test administration data, and student performance data. Student Data Files are available on the OEAA Secure Site (www.michigan.gov/oeaa-secure).

The student data file information includes:

School information—student ISD, district, and school code **Student Demographic Data**—includes grade, name, gender,

Excel Column	Field	Descriptor	Field Type (length)	Format
A	TestCycle	Early Literacy and Mathematics test period and fiscal year	text(20)	
В	ISDCode	ISD code number	varchar(5)	99999
C	DistrictCode	District code number	varchar(5)	99999
D	SchoolCode	School code number	varchar(5)	99999
E	FeederSchoolCode	Prior school number that student attended	varchar(5)	99999
F	Grade	Student grade	varchar(2)	
G	LastName	Student last name	varchar(25)	
Н	FirstName	Student first name	varchar(25)	
1	MiddleInitial	Student middle initial	char(1)	
J	Gender	Student's gender M = Male, F = Female	char(1)	

ethnicity, UIC, Date of Birth; also includes subgroup information including Economically disadvantaged, Special Education, Limited English Proficiency, Migrant status and Homeschooled information.

Test Administration Data—includes valid or invalid test, if invalid, includes reason for invalidation of the test, also includes whether student received accommodations

Student Performance Data—includes raw score data for ELA and mathematics

The Student Data File is provided for schools to use as a data resource for school or district level data reviews. Schools or districts can use the Student Data File to manipulate and evaluate data in ways that support School Improvement goals or other data-based-decision making purposes.

Aggregate Data File

The Aggregate Data File—includes aggregated school information, student population, demographic group, and student performance data

School information—ISD, district, and school information included in the selected report

Demographic Data—demographic data, such as Gender, Ethnicity, Economically Disadvantaged, Migrant status, or Other are included, based on the data contained in the selected report

The Aggregate Data File is provided for schools to use as a data resource for school- or district-level data reviews. Schools or districts can use the Aggregate Data Files to evaluate data in ways that support school improvement goals or other data-based decision-making purposes.



General Resources

- For instructions on how to obtain access to the Dynamic Reporting Site, go to <u>Secure Site Training web page</u> (www.michigan.gov/ securesitetraining) and click **How do I get access to the Secure** Site?
- General additional resources are available on the Early Literacy and Mathematics web page (www.michigan.gov/earlylitandmath)
 - Early Literacy and Mathematics Benchmark Test Administration Manual (TAM)
 - Statewide Summative Assessments Calendars
 - Online Practice for English Language Arts and Mathematics

Also, be sure to sign up for the OEAA Spotlight on Assessment and Accountability Newsletter (www.michigan.gov/mde-spotlight) for weekly up-to-date information about Statewide Summative Assessments.



Section 6: Contact Information

School administrators, teachers, and counselors should become familiar with the report layouts and information contained in this document. If you have questions after reviewing this Guide to reports, or need additional information about Early Literacy and Mathematics Benchmark Assessment administration procedures, content, scheduling, appropriate assessment of or accommodations for students with disabilities or English Learners (ELs), please contact the Michigan Department of Education Office of Educational Assessment and Accountability, using the contact information listed below:

Office of Educational Assessment and Accountability (OEAA)

Andrew Middlestead, Director, OEAA

Katherine Cermak, Manager, Test Administration and Reporting

Tim Tahaney, Test Administration and Reporting

John Jaquith, Manager, Test Development

Nichole Mosser, ELA Consultant

Kyle Ward, Mathematics Consultant

Julie Murphy, K-5 Consultant

Jennifer Paul, Assessment Consultant for English Learners

Ji Zeng, Ph.D., Lead Psychometrician, Psychometrics

Phone: 1-877-560-8378, option 3

Fax: 517-335-1186

Website: www.michigan.gov/earlylitandmath

E-mail: mde-oeaa@michigan.gov

